


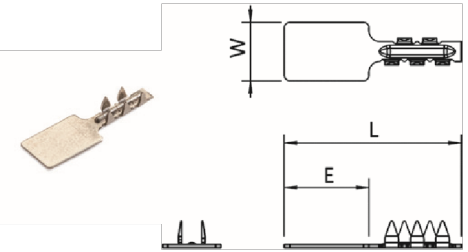
# FPC WELDING TERMINAL

## TERMINAL

CLASSIFICATION	APPEARANCE	PART NO.	MATERIAL PLATING	MATERIAL THICK	SIZE(mm)			FPC SPECIFICATION	
					L	E	W	MATERIAL	THICKNESS
FPC WELDING TERMINAL		350020-24	Copper Alloy Post-Ni	0.3	16.45	8	5.5	PEN	0.2T

## TERMINAL DIMENSION

FPC TERMINAL



# YURA WIRE (High Voltage)



AHEX	High voltage wire crosslinked polyethylene heat-resistant for automobiles
AHEX-BS	High voltage wire crosslinked polyethylene heat-resistant with braided shield for automobiles
AHHEX	High voltage wire crosslinked polyethylene high heat-resistant for automobiles
AHHEX-BS	High voltage wire crosslinked polyethylene high heat-resistant with braided shield for automobiles



## High voltage un-shield cable AHEX

### ➡ APPLICATION

- ▶ High voltage circuit for HEV/PHEV/EV/FCEV
- ▶ HV system wiring



### ➡ SPECIFICATIONS

Voltage	Up to 600V
Conductor	Strand tinned annealed copper
Insulator	Cross-linked Polyethylene 125°C Grade
Standards / Specifications	ES91110-05, JASO D624

### ➡ STRUCTURE AND CABLE SELECTION

Nominal area mm <sup>2</sup>	Conductor			Insulator thickness mm	Completion diameter		Conductor resistance (20°C) Ω/km
	Structure No./mm	Calculated area mm <sup>2</sup>	Diameter (Appr.) mm		Standard mm	Maximum mm	
2	37/0.26	1.96	1.8	0.6	3.0	3.2	10.1
3	65/0.26	3.45	2.4	0.7	3.8	4.05	5.65
5	65/0.32	5.23	3.0	0.8	4.6	4.9	3.72
8	7/22/0.26	9.18	4.0	0.8	5.6	5.9	2.43
10	7/27/0.26	10.03	4.5	1.0	6.5	6.8	1.98
12	7/22/0.32	12.39	5.0	1.0	7.0	7.3	1.52
15	19/9/0.32	13.75	5.3	1.1	7.5	7.8	1.44
20	19/13/0.32	19.86	6.5	1.1	8.7	9.05	1.0
25	19/17/0.32	25.98	7.4	1.4	10.2	10.6	0.76
30	19/19/0.32	29.03	7.8	1.4	10.6	11.0	0.68
40	19/26/0.32	39.73	9.1	1.4	11.9	12.3	0.52
50	19/32/0.32	48.90	10.1	1.6	13.3	13.75	0.42

## High voltage un-shield cable AHHEX

### ➡ APPLICATION

- ▶ High voltage circuit for HEV/PHEV/EV/FCEV
- ▶ HV system wiring for heat resistance



### ➡ SPECIFICATIONS

Voltage	Up to 600V
Conductor	Strand tinned annealed copper
Insulator	Cross-linked Polyethylene 150°C Grade
Standards / Specifications	ES91110-05, JASO D624

### ➡ STRUCTURE AND CABLE SELECTION

Nominal area mm <sup>2</sup>	Conductor			Insulator thickness mm	Completion diameter		Conductor resistance (20°C) Ω/km
	Structure No./mm	Calculated area mm <sup>2</sup>	Diameter (Appr.) mm		Standard mm	Maximum mm	
2	37/0.26	1.96	1.8	0.6	3.0	3.2	10.1
3	65/0.26	3.45	2.4	0.7	3.8	4.05	5.65
5	65/0.32	5.23	3.0	0.8	4.6	4.9	3.72
8	7/22/0.26	8.18	4.0	0.8	5.6	5.9	2.43
10	7/27/0.26	10.03	4.5	1.0	6.5	6.8	1.98
12	7/22/0.32	12.39	5.0	1.0	7.0	7.3	1.52
15	19/15/0.26	15.13	5.3	1.1	7.5	7.8	1.32
20	19/20/0.26	20.18	6.5	1.1	8.7	9.05	0.98
25	19/24/0.26	24.21	7.3	1.1	9.5	9.85	0.82
30	19/19/0.32	29.03	7.8	1.4	10.6	11.0	0.68
40	19/26/0.32	39.73	9.1	1.4	11.9	12.3	0.52
50	19/32/0.32	48.90	10.1	1.6	13.3	13.75	0.42

## High voltage shield cable AHEX-BS

### ➡ APPLICATION

- ▶ High voltage circuit for HEV / PHEV / EV / FCEV
- ▶ HV system wiring for EMC / EMI shield



### ➡ SPECIFICATIONS

Voltage	Up to 600V
Conductor	Strand tinned annealed copper
Insulator	Cross-linked Polyethylene 125°C Grade
Shield	Braided by tinned annealed copper
Sheath	Pb-free Polyvinyl chloride 95°C Grade
Standards / Specifications	ES91110-05, JASO D624

### ➡ STRUCTURE AND CABLE SELECTION

Nominal area mm <sup>2</sup>	Conductor			Insulator		Shield No./No./mm	Sheath		Conductor resistance (20°C) Ω/km
	Structure No./mm	Calculated area mm <sup>2</sup>	Diameter (Appr.) mm	Thickness mm	Diameter mm		Thickness mm	Diameter mm	
2	37/0.26	1.96	1.8	0.6	3.0	24/5/0.12	0.5	4.5	10.1
3	65/0.26	3.45	2.4	0.7	3.8	24/6/0.12	0.5	5.3	5.65
5	65/0.32	5.23	3.0	0.8	4.6	24/7/0.14	0.8	6.9	3.72
8	7/22/0.26	9.18	4.0	0.8	5.6	24/7/0.14	0.8	7.9	2.43
10	7/27/0.26	10.03	4.5	1.0	6.5	24/6/0.18	0.8	9.0	1.98
12	7/22/0.32	12.39	5.0	1.0	7.0	24/6/0.18	1.0	9.8	1.52
15	19/9/0.32	13.75	5.3	1.1	7.5	24/7/0.18	1.0	10.3	1.44
20	19/13/0.32	19.86	6.5	1.1	8.7	24/8/0.18	1.0	11.5	1.0
25	19/17/0.32	25.98	7.4	1.4	10.2	24/9/0.18	1.0	13.0	0.76
30	19/19/0.32	29.03	7.8	1.4	10.6	24/9/0.18	1.0	13.4	0.68
40	19/26/0.32	39.73	9.1	1.4	11.9	24/10/0.18	1.5	15.7	0.52
50	19/32/0.32	48.90	10.1	1.6	13.3	24/10/0.18	1.5	17.1	0.42

## High voltage shield cable AHHEX-BS

### ➡ APPLICATION

- ▶ High voltage circuit for HEV / PHEV / EV / FCEV
- ▶ HV system wiring for EMC / EMI shield and heat resistance



### ➡ SPECIFICATIONS

Voltage	Up to 600V
Conductor	Strand tinned annealed copper
Insulator	Cross-linked Polyethylene 150°C Grade
Shield	Braided by tinned annealed copper
Sheath	Cross-linked Polyethylene 125°C Grade
Standards / Specifications	ES91110-05, JASO D624

### ➡ STRUCTURE AND CABLE SELECTION

Nominal area mm <sup>2</sup>	Conductor			Insulator		Shield No./No./mm	Sheath		Conductor resistance (20°C) Ω/km
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8	7/22/0.26	8.18	4.0	0.8	5.6	24/7/0.14	0.8	7.9	2.43
10	7/27/0.26	10.03	4.5	1.0	6.5	24/6/0.18	0.8	9.0	1.98
12	7/22/0.32	12.39	5.0	1.0	7.0	24/6/0.18	1.0	9.8	1.52
15	19/15/0.26	15.13	5.3	1.1	7.5	24/7/0.18	1.0	10.3	1.32
20	19/20/0.26	20.18	6.5	1.1	8.7	24/8/0.18	1.0	11.5	0.98
25	19/24/0.26	24.21	7.3	1.1	9.5	24/9/0.18	1.0	12.3	0.82
30	19/19/0.32	29.03	7.8	1.4	10.6	24/9/0.18	1.0	13.4	0.68
40	19/26/0.32	39.73	9.1	1.4	11.9	24/10/0.18	1.5	15.7	0.52
50	19/32/0.32	48.90	10.1	1.6	13.3	24/10/0.18	1.5	17.1	0.42